

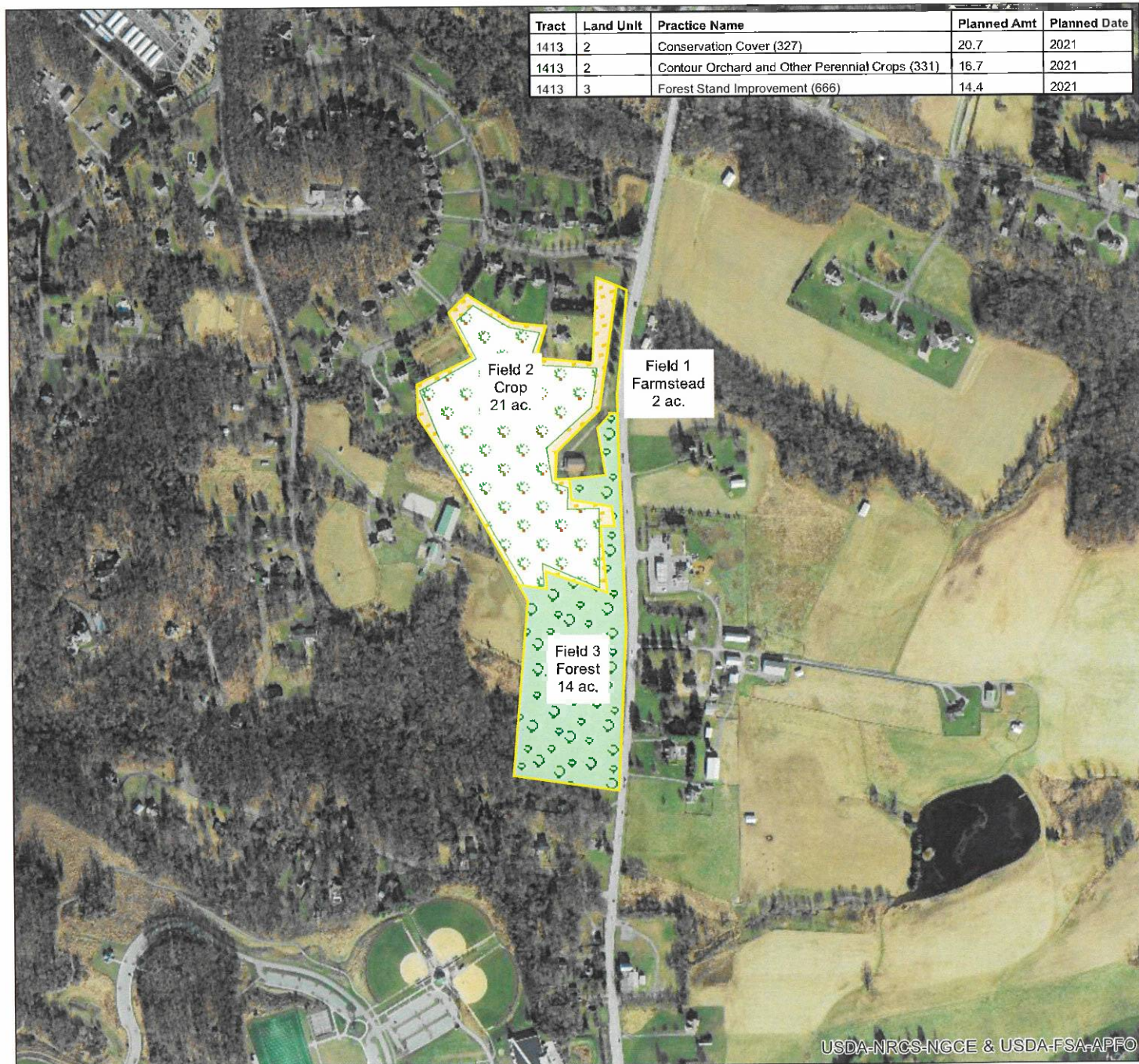
Conservation Plan Map

Client(s): THE CAHILL-LUIGARD LIVING TRUST
Howard County, Maryland
Approximate Acres: 37.38

Assisted By: Michael Calkins
HOWARD COUNTY SERVICE CENTER

Land Units: Tract 1413, Fields 1,2,3

Tract	Land Unit	Practice Name	Planned Amt	Planned Date
1413	2	Conservation Cover (327)	20.7	2021
1413	2	Contour Orchard and Other Perennial Crops (331)	16.7	2021
1413	3	Forest Stand Improvement (666)	14.4	2021



Prepared with assistance from USDA-Natural Resources Conservation Service

0 752 Feet

Practice Schedule
PLUs

**Conservation Practice
Polygons**

Conservation Cover
(327)

Contour Orchard and
Other Perennial Crops
(331)

Forest Stand
Improvement (666)

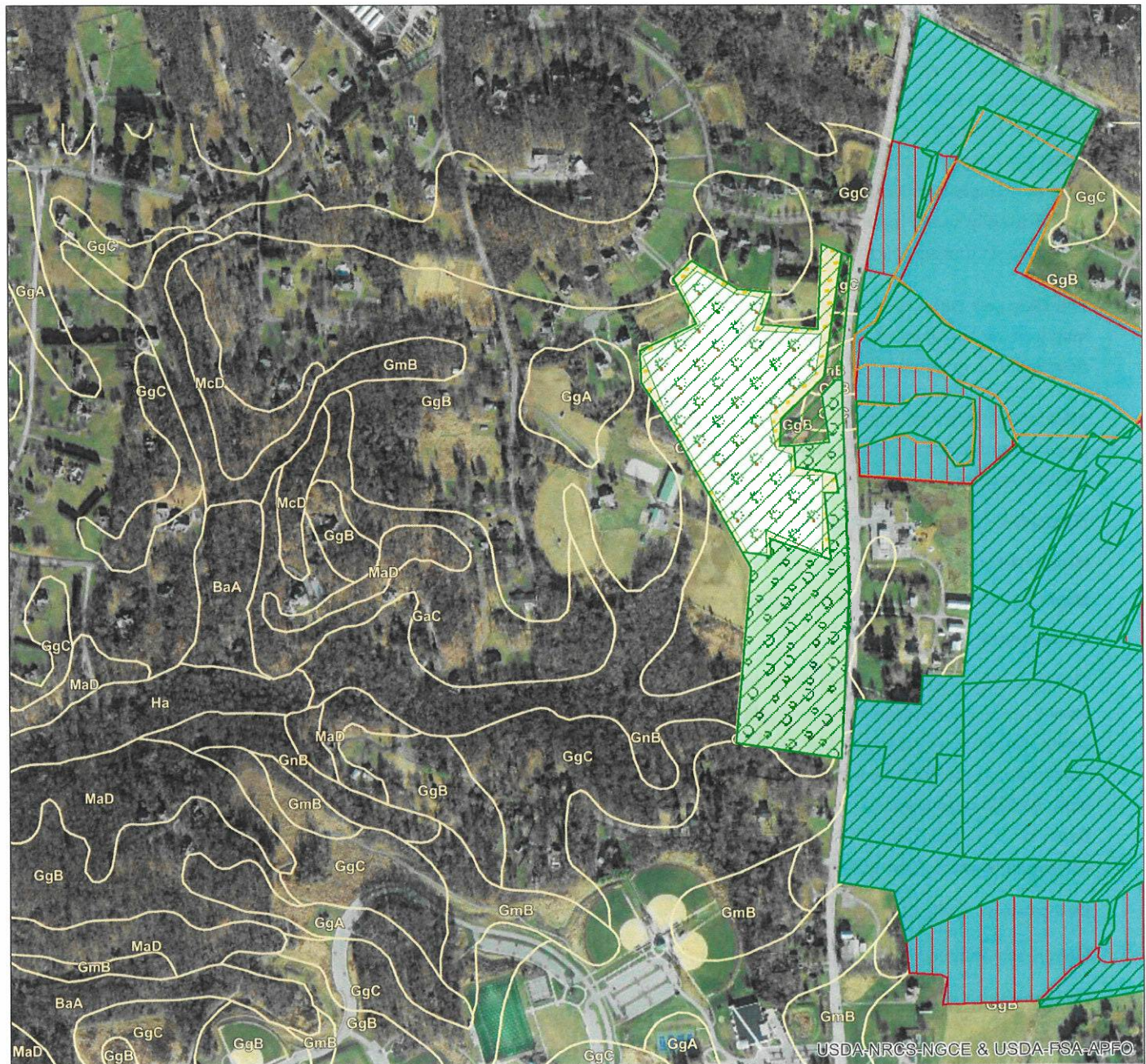


Soils Map

Client(s): THE CAHILL-LUIGARD LIVING TRUST
Approximate Acres: 37.38

Assisted By: Michael Calkins
HOWARD COUNTY SERVICE CENTER
HOWARD SCD

Land Units: Tract 1413, Fields 1,2,3



USDA-NRCS-NGCE & USDA-FSA-APFO

Prepared with assistance from USDA-Natural Resources Conservation Service

0 752 Feet

Case PLUs	Planned	Contour Orchard and Other Perennial Crops (331)	Soils
Planned	Conservation Practice Polygons	Forest Stand Improvement (666)	Soil Mapunit
Active PLUs	Conservation Cover (327)		
Draft			
Locked			



Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Howard County, Maryland

Map Unit: GgB--Glenelg loam, 3 to 8 percent slopes

Component: Glenelg (85%)

The Glenelg component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on nearly level to steeply dissected hillslopes, upland piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Gaila (10%)

Generated brief soil descriptions are created for major soil components. The Gaila soil is a minor component.

Component: Glenville (5%)

Generated brief soil descriptions are created for major soil components. The Glenville soil is a minor component.

Map Unit: GgC--Glenelg loam, 8 to 15 percent slopes

Component: Glenelg (90%)

The Glenelg component makes up 90 percent of the map unit. Slopes are 8 to 15 percent. This component is on hillslopes, piedmonts. The parent material consists of residuum weathered from mica schist. Depth to a root restrictive

layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Component: Brinklow (10%)

Generated brief soil descriptions are created for major soil components. The Brinklow soil is a minor component.

Map Unit: GmB--Glenville silt loam, 3 to 8 percent slopes

Component: Glenville (75%)

The Glenville component makes up 75 percent of the map unit. Slopes are 3 to 8 percent. This component is on drainageways, piedmonts. The parent material consists of colluvium derived from metamorphic rock over schist, gneiss or phyllite residuum. Depth to a root restrictive layer, fragipan, is 29 to 31 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 20 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Unnamed (15%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Baile (10%)

Generated brief soil descriptions are created for major soil components. The Baile soil is a minor component.

Map Unit: GnB--Glenville-Baile silt loams, 0 to 8 percent slopes

Component: Glenville (50%)

The Glenville component makes up 50 percent of the map unit. Slopes are 0 to 8 percent. This component is on drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer, fragipan, is 24 to 39 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 30 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Baile (35%)

The Baile component makes up 35 percent of the map unit. Slopes are 0 to 8 percent. This component is on depressions, drainageways, swales, piedmonts. The parent material consists of loamy colluvium derived from phyllite and/or loamy colluvium derived from schist. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 5w. This soil meets hydric criteria.

Component: Glenelg (15%)

Generated brief soil descriptions are created for major soil components. The Glenelg soil is a minor component.

Data Source Information

Soil Survey Area: Howard County, Maryland

Survey Area Data: Version 15, Jun 12, 2020





United States
Department of
Agriculture

Natural Resources Conservation Service

CONSERVATION PLAN

THE CAHILL-LUIGARD LIVING TRUST



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4/6/2021





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COOKSVILLE, MD 21723
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Conservation Plan

THE CAHILL-LUIGARD LIVING TRUST
11 MIDHURST RD
SILVER SPRING, MD 20910

OBJECTIVE(S)

To have a successful vinyard in Howard County that is also sustainable and profitable.

Install the conservation practices, enhancements, and activities according to the implementation requirements, designs, construction plans, or other documents that facilitate meeting the applicable NRCS technical criteria. If you do not have such information, contact your local office before starting to install your conservation practices, enhancements, and activities.

Crop

Tract: 1413

Conservation Cover (327)

General Cover - Establish and/or maintain permanent vegetation to reduce wind and water erosion, delivery of sediment to surface water, to reduce particulate matter and precursors, and reduce greenhouse gases.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	20.7 Ac	05	2021	--	--

Contour Orchard and Other Perennial Crops (331)

Perennial - Plant orchards, vineyards, or other perennial crops so that all cultural operations are done on or near the contour.

Field	Planned Amount	Month	Year	Applied Amount	Date
2	16.7 Ac	01	2021	--	--

Forest

Tract: 1413

Forest Stand Improvement (666)

Forest Stand Improvement - Treat species composition, stand structure or density by cutting or killing selected trees or understory vegetation to achieve desired forest conditions or obtain ecosystem services.

Field	Planned Amount	Month	Year	Applied Amount	Date
3	14.4 Ac	04	2021	--	--

CERTIFICATION OF PARTICIPANTS

_____	_____
THE CAHILL-LUIGARD LIVING TRUST	DATE

CERTIFICATION OF:

_____	_____
CERTIFIED PLANNER	DATE

CONSERVATION DISTRICT	
_____	_____
HOWARD SCD	DATE

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Washington, DC 20250-9410

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